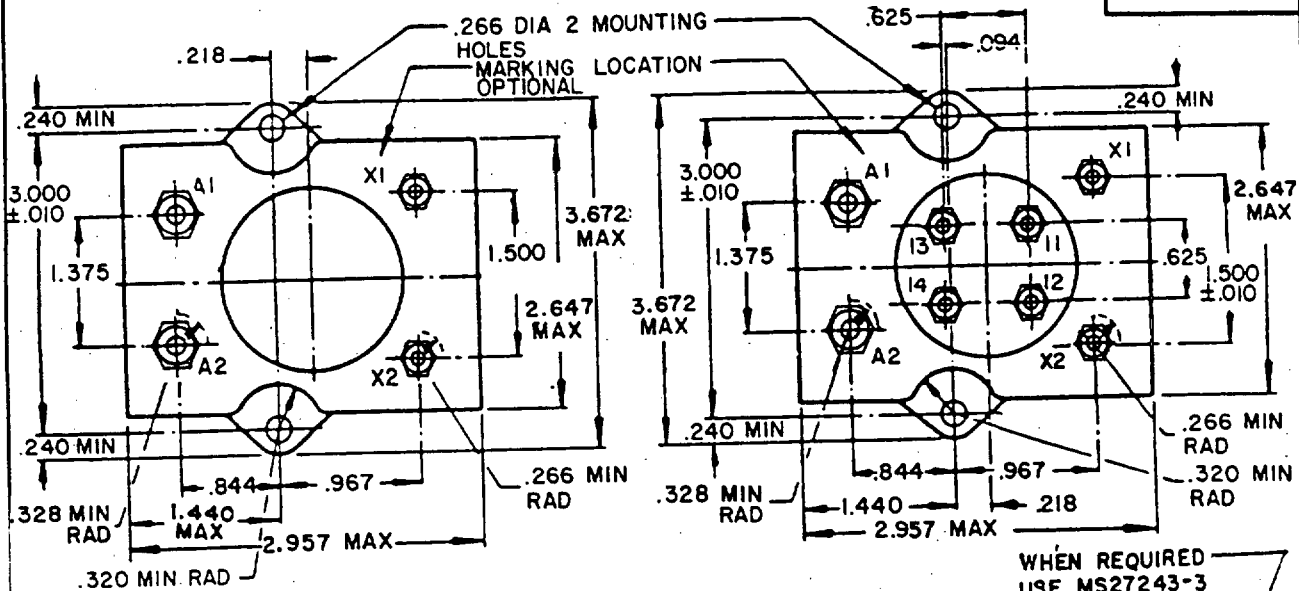
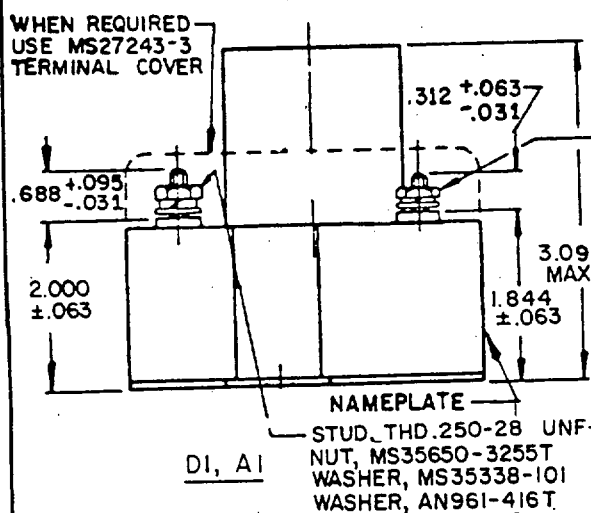


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Form Approved
OMB No. 0704-0188



WHEN REQUIRED
USE MS27243-3
TERMINAL COVER



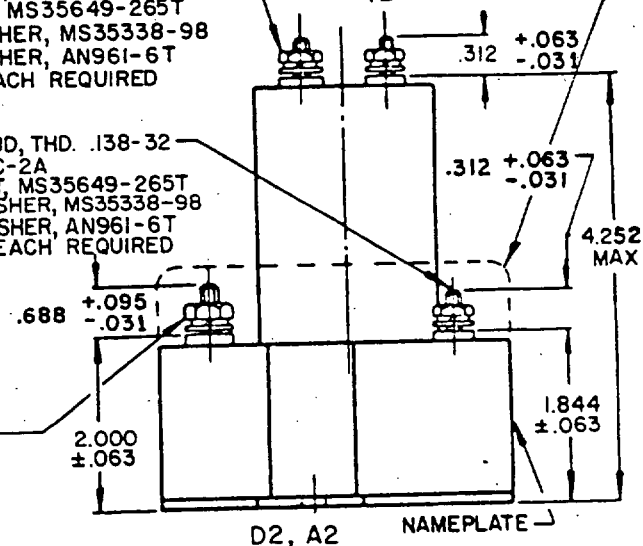
D1, A1

STUD, THD .250-28 UNF-2A
NUT, MS35650-3255T
WASHER, MS35338-101
WASHER, AN961-416T

STUD, THD .138-32 UNC-2A
NUT, MS35649-265T
WASHER, MS35338-98
WASHER, AN961-6T
4 EACH REQUIRED

STUD, THD .138-32
UNC-2A
NUT, MS35649-265T
WASHER, MS35338-98
WASHER, AN961-6T
2 EACH REQUIRED

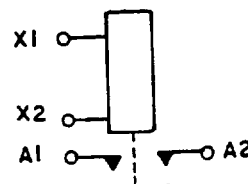
WHEN REQUIRED
USE MS27243-3
TERMINAL COVER



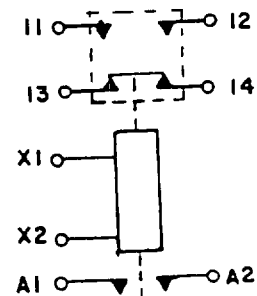
D2, A2

NAMEPLATE

Inches	mm	Inches	mm	Inches	mm
.010	0.25	.312	7.92	1.500	38.10
.031	0.79	.320	8.13	1.844	46.84
.063	1.60	.328	8.33	2.000	50.80
.094	2.39	.625	15.88	2.647	67.23
.095	2.41	.688	17.48	2.957	75.11
.138	3.51	.844	21.44	3.000	76.20
.218	5.54	.967	24.56	3.095	78.61
.240	6.10	1.375	34.93	3.672	93.27
.250	6.35	1.440	36.58	4.252	108.00
.266	6.76				



CIRCUIT D1



CIRCUIT D2

PREPARING ACTIVITY: Air Force - 85
CUSTODIANS: ARMY - NAVY - AS
AIR FORCE - 85 DLA
Air Force - 11, 99
REVIEW: Navy - AS, EC
USER:
PROJECT NUMBER: 5945-0810-04

MILITARY SPECIFICATION SHEET
TITLE RELAYS, ELECTROMAGNETIC,
100 AMPERES, 1PST (NO),
TYPE I, HERMETICALLY SEALED

SPECIFICATION SHEET NUMBER

MS24182J 20 Feb 90

SUPERSEDING

MS24182H 24 Sept 82

AMSC N/A

FSC 5945

DISTRIBUTION STATEMENT

A: Approved for public release: distribution is unlimited.

Page 1 of 4

THIS SPECIFICATION IS APPROVED FOR USE BY ALL DEPARTMENTS AND AGENCIES OF THE DEPARTMENT OF DEFENSE.

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NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerances are ± 0.031 .
4. This specification sheet takes precedence over documents referenced herein.
5. Referenced documents shall be of the issue in effect on date of invitation for bid.
6. Coil and auxiliary terminals may use additional flat washer for terminal seat.

TABLE I. Part numbers and characteristics. 1/

Part number MS24182-	Type	Coil	Terminal type	Mounting or mating socket	Auxiliary contacts	Maximum weight in pounds 2/
D1	I	dc	Stud	Flange	None	1.15

1/ A1 and A2 have been cancelled without replacement.

2/ Weights include covers and barriers.

TABLE II. Operating characteristics.

		Coil data										Time - milliseconds max				<u>1/</u>	
Part number	Coil	Nominal		Max		Max pick-up voltage					Operate	Release	Bounce				
		Volts	Freq	Ω	Volts	Amp	Normal	High	Cont	Hold			Drop out	Main		Aux	
MS24182		<u>2/</u>	Hz	I Res								<u>3/</u>	<u>4/</u>				
				+15%													
				-10													
D1	X1,X2	28	dc	78	29	.5	18	21	22.5	7	1.5	20	10	2.5	---	---	---

1/ Over the temperature range.

2/ CAUTION: Use of any coil voltage less than nominal coil voltage will compromise the operation of the relay.

3/ With nominal coil voltage.

4/ From nominal coil voltage.

PREPARING ACTIVITY: Air Force - 85
CUSTODIANS: ARMY - NAVY - AS
AIR FORCE - 85 DLA -
Air Force - 11, 99
REVIEW: Navy - AS, EC
USER:
PROJECT NUMBER: 5945-0810-04
DISTRIBUTION STATEMENT

TITLE
MILITARY SPECIFICATION SHEET
RELAYS, ELECTROMAGNETIC,
100 AMPERES, 1PST (NO),
TYPE I, HERMETICALLY SEALED

SPECIFICATION SHEET NUMBER

MS24182JSUPERSEDING
MS24182H

AMSC N/A

FSC 5945

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TABLE III. Rated contact load (amperes per pole) case grounded.

Type of load	Life operating cycles x 10 ³	28 V dc				115 V ac, 1 phase				115/200 V ac, 3 phase 1/			
		Main		Aux		Main		Aux		Main		Aux	
		NO	NC	NO	NC	400 Hz	60 Hz	400 Hz	60 Hz	400 Hz	60 Hz	400 Hz	60 Hz
Resistive	50	100		5	5	100		5					
Inductive	10	100		5	5			5					
Inductive													
Motor	50	100				75							
Lamp	50	50		.75	.75	50		.75					
Transfer load 2/													
Mechanical life reduced current	100	25		1.25	1.25			1.25					
Intermediate current	50	10		Per spec		10							

1/ Absence of value indicates relay is not rated for 3 phase application.
2/ Transfer load indicates relay suitable for transfer between unsynchronized ac power supplies at rating indicated.

PREPARING ACTIVITY: Air Force - 85
CUSTODIANS: ARMY - NAVY - AS
AIR FORCE - 85 DLA -
Air Force - 11, 99
REVIEW: Navy - AS, EC
USER:
PROJECT NUMBER: 5945-0810-04

TITLE
MILITARY SPECIFICATION SHEET
RELAYS, ELECTROMAGNETIC,
100 AMPERES, 1PST (NO),
TYPE I, HERMETICALLY SEALED

SPECIFICATION SHEET NUMBER

MS24182J

SUPERSEDING
MS24182H

AMSC N/A

FSC 5945

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